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United States
Department of
Agriculture

Cultural
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and
Vegetable
Division

Fresh Products
Branch

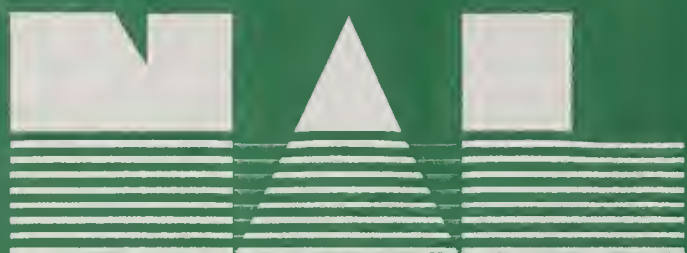
Washington, D.C.

April 1985

U.S. Standards and Inspection Instructions for Fresh Fruits and Vegetables and Other Special Products

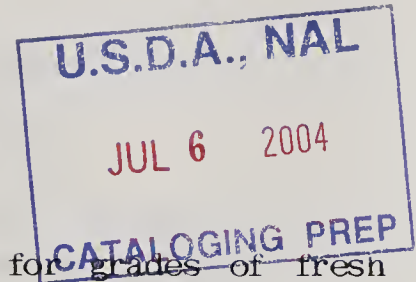


**United States
Department of
Agriculture**



National Agricultural Library

FOREWARD



The authority to establish voluntary standards for ~~grades~~ of fresh fruit, vegetables and other special products, develop inspection instructions and visual aids is provided by the Agricultural Marketing Act of 1946.

Single copies of grade standards are provided at no cost. Additional copies of the same standard may be purchased at the cost listed. This rule applies only to standards. All other publications will be sold at the listed cost. Orders for these publications must be accompanied by a check or money order made payable to: "Agricultural Marketing Service, USDA." Please send your request to:

**Fresh Products Branch
AMS, FV
U.S. Department of Agriculture,
Room 2056, South Building,
Washington, D.C. 20250**

Visual aids used by our inspection service, in general, are not for sale to the public. However, those not for sale may be viewed at Headquarters in Washington, D.C. or at any field office. They may not be reproduced without specific permission from Headquarters. The John Henry Co., P.O. Box No. 17099, Lansing, Michigan 48901-7099, has been licensed by the Department to manufacture and sell to the public official visual aids for Florida Citrus, fresh market potatoes and tomatoes. The United Fresh Fruit and Vegetable Association, 727 North Washington Street, Alexandria, Virginia 22314, under a cooperative agreement with the Department, is authorized to sell to the public the visual aids manufactured by the John Henry Co.

Visual aids for sale by these organizations are:

- (1) A potato booklet covering identification and grade classification for a variety of defects.
- (2) A color-coded, 54 color photo, potato disorder identification chart.
- (3) A Florida Citrus looseleaf notebook containing color photographs for identification and grade classification of a variety of defects affecting grapefruit, tangerines, oranges, and tangelos. Notebook also contains grade standards for each commodity.

- (4) A chart illustrating color classifications of surface color for tomatoes described as green, breakers, turning, pink, and red. Chart can be folded to pocket size dimension.

Market Disease Handbooks for fruit and vegetables and the Code of Federal Regulations, Title 7, Agriculture, Parts 46 to 51, a compilation of grade standards and related documents, may be purchased from:

**Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402
PH: 202-783-3238**

UNITED STATES GRADE STANDARDS
FOR FRESH FRUITS, VEGETABLES,
NUTS AND OTHER SPECIAL PRODUCTS

<u>VEGETABLES (FRESH MARKET)</u>	<u>ESTABLISHED</u>	<u>LAST AMENDED</u>	<u>COST</u>
Anise, Sweet.....	1930	3/15/73 .....	.30
Artichokes, Globe.....	1926	5/15/69 .....	.30
Asparagus, Fresh.....	4/4/46	4/1/66 .....	.40
Beans, Lima.....	1/5/38 .....		.30
Beans, Snap.....	8/1/36 .....		.30
Beets.....	8/1/55 .....		.40
Broccoli, Bunched Italian Sprouting.....	1930	7/12/43 .....	.50
Brussels Sprouts.....	1/18/54 .....		.30
Cabbage.....	9/1/45 .....		.40
Cantaloups.....	4/15/61	6/30/68 .....	.60
Carrots, Bunched.....	12/15/37	9/18/54 .....	.50
Carrots, Topped.....	1928	12/20/65 .....	.50
Carrots With Short Trimmed Tops.....	3/2/42	9/18/54 .....	.40
Cauliflower.....	8/7/39	3/15/68 .....	.40
Celery.....	8/15/46	4/7/59	1.80
Corn, Green.....	1927	5/18/54 .....	.40
Cucumbers.....	11/13/53	3/1/58 .....	.70
Cucumbers, Greenhouse.....	10/1/34 .....		.40
Eggplant.....	12/1/33	10/29/53 .....	.30
Endive, Escarole or Chicory.....	10/1/64 .....		.30
Garlic.....	9/4/44 .....		.30
Greens, Beet.....	6/1/59 .....		.30
Greens, Collard Or Broccoli.....	4/16/53 .....		.30
Greens, Dandelion.....	2/4/55 .....		.30
Greens, Mustard And Turnip.....	3/8/53 .....		.30
Honeydew And Honey Ball Type Melons.....	5/20/37	4/1/67 .....	.30
Horseradish Roots.....	7/27/36 .....		.60
Kale.....	4/25/34 .....		.30
Lettuce.....	3/15/34	12/1/75 .....	.90
Lettuce, Greenhouse Leaf.....	10/1/34	9/1/64 .....	.30
Mushrooms.....	1928	7/15/66 .....	.40
Okra.....	12/18/28 .....		.20
Onions, Bermuda-Granex-Grano Type.....	3/29/37	3/20/85 .....	.50
Onions, Creole.....	5/15/41	4/10/43 .....	.40

UNITED STATES GRADE STANDARDS

<u>VEGETABLES (FRESH MARKET)</u>	<u>ESTABLISHED</u>	<u>LAST AMENDED</u>	<u>COST</u>
Onions, (Other Than Bermuda-Granex-Grano and Creole Types).....	7/31/44	10/1/71 .....	.60
Onions, Common Green.....	6/20/47 .....		.40
Onion Sets.....	6/1/35	2/1/40 .....	.40
Parsley.....	7/30/30 .....		.20
Parsnips.....	12/10/45 .....		.40
Peas, Fresh.....	2/1/34	6/1/42 .....	.30
Peas, Southern.....	7/13/56 .....		.40
Peppers, Sweet.....	7/29/46	12/15/63 .....	.70
Potatoes.....	1917	2/5/72 .....	.70
Potatoes, Seed.....	4/29/72 .....		.40
Radishes.....	7/16/54	10/1/68 .....	.40
Rhubarb (Field Grown).....	3/10/33	2/1/66 .....	.40
Romaine.....	1928	8/10/60 .....	.30
Shallots, Bunched.....	12/16/46 .....		.40
Spinach Leaves.....	12/27/46 .....		.30
Spinach Plants.....	1931	11/19/56 .....	.30
Squash, Fall And Winter Type & Pumpkins.....	11/15/44	10/13/83 .....	.30
Squash, Summer.....	3/26/45	1/6/84 .....	.40
Sweetpotatoes.....	7/1/63 .....		.50
Tomatoes, Fresh.....	9/3/34	4/15/76	1.10
Tomatoes, Greenhouse.....	4/19/66 .....		.50
Turnips Or Rutabagas.....	8/1/55 .....		.40
Watermelons.....	5/15/37	1/15/78 .....	.90

VEGETABLES (FRESH MARKET - CONSUMER)

Broccoli, Italian Sprouting.....	10/28/50 .....	.30
Brussels Sprouts.....	9/19/50 .....	.30
Carrots, (Bunched Topped, Short Trimmed Tops)...	7/17/54 .....	.40
Celery.....	3/27/49 .....	.30
Corn (Husked on the Cob).....	5/11/50 .....	.30
Beet Greens.....	11/1/58 .....	.30
Kale.....	8/26/50 .....	.30
Parsnips.....	3/23/54 .....	.30
Potatoes.....	12/8/47 .....	.50
Spinach Leaves.....	5/19/49 .....	.30
Tomatoes.....	10/10/48 .....	.40
Turnips.....	8/20/54 .....	.40

UNITED STATES GRADE STANDARDS

<u>VEGETABLES FOR PROCESSING</u>	<u>ESTABLISHED</u>	<u>LAST AMENDED</u>	<u>COST</u>
Asparagus, Green.....	2/15/41	4/5/72 .....	.40
Beans, Lima, Fresh Shelled.....	1/5/38	6/6/53 .....	.20
Beans, Snap.....	4/25/85	7/26/59 .....	.70
Beets.....	12/5/45 .....		.40
Broccoli.....	4/29/51	10/4/59 .....	.70
Cabbage.....	1/17/44 .....		.30
Carrots.....	1/17/44	7/30/84 .....	.40
Cauliflower.....	9/4/59 .....		.30
Corn, Sweet.....	5/11/50	5/15/62 .....	.50
Cucumbers, Pickling.....	12/10/36 .....		.30
Mushrooms.....	4/1/64 .....		.30
Okra.....	12/15/65 .....		.40
Onions.....	1/17/44 .....		.40
Peas, Fresh Shelled, For Canning Or Freezing	1/15/46 .....		.30
Peas, Southern.....	7/13/56	6/1/65 .....	.40
Peppers, Sweet.....	3/22/48 .....		.30
Potatoes For Chipping.....	1/1/78 .....		.60
Potatoes.....	6/15/37	4/14/83 .....	.60
Spinach.....	1931	7/10/56 .....	.30
Sweet Potatoes, For Canning Or Freezing.....	7/24/59 .....		.50
Sweet Potatoes, For Dicing Or Pulping.....	7/23/51 .....		.30
Tomatoes, Italian Type For Canning.....	5/7/57 .....		.30
Tomatoes, Green.....	4/15/50 .....		.20
Tomatoes.....	9/3/34	7/11/83 .....	.40

FRUIT (FRESH MARKET)

Apples.....	9/1/37	..... 3/25/76	.....	.80
Apricots.....	5/25/28	.....		.30
Avocados, Florida.....	9/3/57	.....		.30
Blueberries.....	6/1/66	.....		.40
Cherries, Sweet.....	1927	..... 5/7/71	.....	.40
Cranberries, Fresh.....	8/26/71	.....		.30
Dewberries And Blackberries.....	2/13/28	.....		.20
Grapes, Bunch, American, (Eastern Type).....	7/19/43	..... 9/8/83	.....	.40
Grapes, Juice, (European Or Vinifera Type).. <td>7/20/39</td> <td>.....</td> <td></td> <td>.40</td>	7/20/3940
Grapes, Table, (European Or Vinifera Type).. <td>7/20/39</td> <td>..... 4/29/83</td> <td>.....</td> <td>1.00</td>	7/20/39 4/29/83	1.00
Grapefruit, (California And Arizona).....	3/15/41	..... 1/9/50	.....	.70
Grapefruit, Florida.....	9/14/52	..... 12/1/80	.....	1.40

UNITED STATES GRADE STANDARDS

<u>FRUIT (FRESH MARKET) cont'd</u>	<u>ESTABLISHED</u>	<u>LAST AMENDED</u>	<u>COST</u>
Grapefruit, (Texas And States Other Than Florida, California, And Arizona).....	11/3/55	.... 10/1/69	..... 1.10
Kiwifruit.....	9/9/82	.....	.60
Lemons.....	3/15/41	.... 9/1/64	..... .80
Limes, Persian (Tahiti).....	8/31/52	.... 6/20/58	..... .60
Nectarines.....	7/27/38	.... 4/23/66	..... .70
Oranges, (California And Arizona).....	11/26/49	.... 9/23/57	..... .60
Oranges And Tangelos, Florida.....	10/14/55	.... 12/1/80	..... 1.50
Oranges, (Texas And States Other Than Florida, California And Arizona).....	9/14/48	.... 10/1/69	..... 1.30
Peaches.....	4/22/33	.... 6/15/52	..... .50
Pears, Sumner And Fall.....	6/27/40	.... 8/20/55	..... .60
Pears, Winter.....	7/8/40	.... 9/10/55	..... .70
Pineapples.....	12/4/31	.... 2/23/53	..... .40
Plums And Prunes, Fresh.....	5/31/45	.... 6/30/73	..... .70
Raspberries.....	5/29/31	.....	.30
Strawberries.....	11/19/34	.... 7/1/65	..... .30
Tangerines.....	10/27/41	.... 9/18/48	..... .60
Tangerines, Florida.....	10/18/52	.... 12/1/80	..... 1.30

FRUIT FOR PROCESSING

Apples.....	9/2/46	.... 6/6/61	..... .30
Berries.....	6/2/47	.....	.30
Blueberries.....	9/5/50	.....	.30
Cherries, Red Sour, For Manufacture.....	4/20/41	.....	.30
Cherries, Sweet, For Canning Or Freezing.....	6/1/46	.....	.30
Cherries, Sweet, For Export For Sulphur Brining.....	5/28/40	.....	.30
Cranberries,	8/24/57	.....	.30
Currants.....	5/18/52	.....	.30
Grapes, Bunch, American (Eastern Type) For Processing and Freezing.....	7/5/43	.....	.30
Grapes, For Processing and Freezing.....	9/1/77	.....	.40
Peaches, Freestone, For Canning, Freezing Or Pulping.....	5/4/42	.... 6/1/66	..... .30
Pears.....	7/1/70	.....	.40
Raspberries.....	5/18/52	.....	.30
Strawberries, Growers' Stock For Manufacture.	6/1/35	.....	.30
Strawberries, Washed And Sorted For Freezing.	6/1/35	.....	.30

UNITED STATES GRADE STANDARDS

<u>NUTS AND SPECIAL PRODUCTS</u>	<u>ESTABLISHED</u>	<u>LAST AMENDED</u>	<u>COST</u>
Almonds, Shelled.....	8/23/51	8/15/60 .....	.60
Almonds In The Shell.....	8/23/51	7/15/64 .....	.40
Asparagus Plumosus.....	6/6/30 .....		.60
Brazil Nuts In The Shell.....	10/1/64	8/25/66 .....	.40
Christmas Trees.....	11/1/57	4/1/73	1.20
Filberts In The Shell.....	9/4/48	9/1/70 .....	.40
Gladiolus Corms (Bulbs).....	4/5/82 .....		.50
Mixed Nuts In The Shell.....	8/1/65	8/18/81 .....	.40
Peanuts, Shelled Spanish Type.....	9/1/39	7/15/65 .....	.30
Peanuts, Shelled Runner Type.....	9/1/39	7/31/56 .....	.30
Peanuts, Shelled Virginia Type.....	8/31/59 .....		.60
Peanuts, Cleaned Virginia Type In The Shell.	11/1/34	8/31/59 .....	.30
Pecans, Shelled.....	10/15/52	7/15/69 .....	.70
Pecans In The Shell.....	10/1/51	10/15/76 .....	.60
Peonies, Cut, In The Bud.....	4/1/38 .....		.40
Tomato Plants.....	12/10/42	1/3/44 .....	.40
Walnuts, Shelled (Juglans regia).....	1/25/59	9/1/68 .....	.50
Walnuts (Juglans regia) In The Shell.....	9/12/64	11/15/76 .....	.60

INSPECTION INSTRUCTIONS

<u>MARKET</u>	<u>LATEST</u> <u>ISSUE</u>	<u>COST</u>
General.....	7/66	\$19.60
Almonds, Shelled.....	3/55	1.60
Apples.....	1/78	14.00
Bananas.....	1/73	3.10
Beans, Snap And Green Shell.....	3/55	1.30
Beets, Turnips And Rutabagas.....	10/77	4.50
Broccoli, Bunched Italian Sprouting.....	12/80	3.30
Brussels Sprouts.....	9/57 .....	.80
Cabbage.....	6/70	3.40
Cantaloups, Honeydew, Honey Ball And Other Similar Melons.....	9/67	4.20
Carrots, Bunched, And With Short- Trimmed Tops.....	3/56	2.70
Carrots, Topped.....	4/66	2.50
Cauliflower.....	2/70	2.10
Celery.....	9/65	2.80
Cherries, Sweet.....	7/71	3.90
Citrus, (Oranges-Grapefruit-Lemons) CA & AZ.....	1/65	5.60
Citrus, (Oranges-Grapefruit-Tangerines) FL.....	4/83	12.60
Citrus, (Oranges-Grapefruit) Texas (And States Other Than Florida, California & Arizona).....	10/69	4.30
Cranberries.....	10/72	3.00
Cucumbers.....	9/70	1.90
Eggplant.....	11/79	2.30
Garlic.....	7/56	1.50
Grapes.....	11/71	7.70
Greens (Beets, Broccoli, Collard, Dandelion, Mustard, Turnip).....	11/56	1.00
Kiwifruit.....	10/82	2.30
Lettuce.....	3/76	5.30
Onions (Bermuda-Granex-Grano Type).....	3/63	2.80
Onions (Other Than Bermuda-Granex-Grano And Creole Types).....	6/78	6.10
Onion Sets.....	8/57	1.30
Ornamental Crops.....	3/74	3.60
Peaches.....	4/70	3.90
Pears.....	7/73	9.20
Peas, Fresh.....	9/56	1.80
Peppers, Sweet (Other Peppers).....	1/81	7.50
Pineapples.....	9/54	1.60

INSPECTION INSTRUCTIONS

<u>MARKET (cont'd)</u>	<u>LATEST ISSUE</u>	<u>COST</u>
Plums and Prunes.....	9/83	7.40
Potatoes.....	11/76	9.60
Shallots.....	9/54	1.00
Spinach Plants & Spinach Leaves.....	8/57	1.40
Spinach Leaves And Beet Greens On Basis of Consumer Standards.....	1/59	1.90
Sweet Anise, Parsnips, Radishes & Squash.....	10/59	5.00
Sweet Potatoes.....	12/64	2.60
Tomatoes.....	7/83	6.30
Watermelons.....	1/78	4.40
Miscellaneous Products, Artichokes, Coconuts, Chestnuts, Horseradish Roots, Okra & Rhubarb..	9/76	7.20

COMBINED MARKET AND SHIPPING POINT

Almonds In The Shell.....	9/65	1.50
Apricots.....	9/75	2.80
Asparagus.....	1/72	4.00
Blueberries.....	6/66	1.00
Brazil Nuts In The Shell.....	6/73	2.40
Christmas Trees.....	7/76	2.50
Corn, Green.....	1/74	3.80
Filberts In The Shell.....	4/73	2.00
Limes, Persian (Tahiti) And Florida Avocados....	11/65	4.50
Mushrooms.....	11/66 .....	.90
Nectarines.....	7/75	4.50
Peanuts, Milled (Shelled Stock And Cleaned Virginia Type In The Shell).....	9/83	11.50
Pecans, Shelled.....	7/69	1.70
Pecans In The Shell.....	2/68	2.10
Strawberries And Other Berries.....	3/75	4.80
Walnuts, (Juglans regia) In The Shell And Shelled.....	12/74	6.30

SHIPPING POINT

General.....	1/66	14.00
Apples.....	7/78	16.10
Cabbage.....	11/73	3.10
Cantaloups, Honeydew, Honey Ball, And Other Similar Melons.....	4/67	3.40
Carrots.....	7/71	3.70

INSPECTION INSTRUCTIONS

<u>SHIPPING POINT (cont'd)</u>	<u>LATEST ISSUE</u>	<u>COST</u>
Cauliflower.....	7/69	1.60
Celery.....	9/57	3.10
Cherries, Sweet.....	5/71	3.60
Citrus, (Oranges & Grapefruit) Texas And States Other Than Florida, California & Arizona.....	10/78	6.90
Cucumbers.....	10/70	1.30
Eggplant.....	12/57	1.00
Kiwifruit.....	10/82	2.30
Lettuce.....	4/76	5.30
Onions (Bermuda-Granex-Grano Type).....	5/62	3.00
Onions (Other Than Bermuda-Granex-Grano And Creole Types).....	5/62	3.40
Peaches.....	6/69	4.50
Peanuts, Farmers' Stock.....	7/84	10.70
Pears.....	7/84	5.30
Potatoes.....	4/78	12.00
Prunes, Italian Type (With Supplement for Plums) Amendment I.....	7/58	2.50
Sweet Potatoes.....	2/64	2.60
Tomatoes.....	1/85	5.50
Tomato Plants.....	8/55	2.80
Watermelons.....	3/78	3.90

RAW PRODUCTS FOR PROCESSING

General.....	9/79	2.40
Apples.....	11/79	2.80
Beans, Fresh Shelled Lima.....	2/58	1.40
Beans, Snap.....	5/60	2.10
Berries.....	3/57 .....	.80
Blueberries.....	10/56 .....	.50
Broccoli.....	5/60	1.80
Carrots.....	4/60	1.30
Cauliflower.....	10/59	1.00
Cherries, Red Sour.....	9/60 .....	.60
Corn, Sweet.....	6/62	1.90
Grapes for Processing And Freezing.....	11/81	4.40
Mushrooms.....	11/62 .....	.70
Okra.....	6/66	1.40
Peaches, For Canning, Freezing Or Pulping.....	6/66	1.00
Pears.....	12/70	1.60

INSPECTION INSTRUCTIONS

<u>RAW PRODUCTS FOR PROCESSING (cont'd)</u>	<u>LATEST ISSUE</u>	<u>COST</u>
Peas, Fresh Shelled For Canning or Freezing.....	9/56	2.00
Peas, Southern.....	6/66	1.20
Peppers, Sweet.....	10/56	1.50
Potatoes.....	7/83	5.30
Spinach.....	6/57	1.20
Sweetpotatoes.....	8/68	2.40
Tomatoes.....	7/83	4.20

MISCELLANEOUS INSTRUCTIONS

Apples, Pears and Grapes For Export.....	7/71	4.30
Canadian Import Requirements.....	2/79	5.40
Continuous Inspection.....	9/79	2.00
Supplies Purchased By Various Institutions.....	1/66	2.40
Inspection On Basis of U.S. Specifications For Classification of Damaged Or Repaired Packages...	8/57 .....	.80
Sampling Of In-Shell Brazil Nuts And Pistachio Nuts for Aflatoxin Analysis.....	11/72	1.10

OTHER

Regulations Governing Inspection, Certification and Standards for Fresh Fruits, Vegetables, and Other Products.....	12/28/80	1.80
Uniform Grade Nomenclature Policy.....	7/1/7610



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